Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/17/2021 08:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124359	-1	1.24	124280	1.20
Blue	F	SSC	125000	121700	-3	2.39	122019	2.29
Blue	E	FITC	13131	12579	-5	2.21	289	15.41
Blue	D	PE	24112	23858	-2	1.60	546	10.51
Blue	B	PerCP-Cy5-5	31295	30470	-3	3.05	1008	14.76
Blue	A	PE-Cy7	19939	19555	-2	5.19	517	29.16
Red	C	APC	42122	40917	-3	3.05	1716	11.47
Red	A	APC-Cy7	22340	21706	-3	3.42	811	11.91
Violet	B	V450	7410	6996	-6	3.73	426	12.91
Violet	A	V500	28118	26920	-5	3.34	672	10.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22917	1.34	566	-3	N/A	N/A	Pass
Blue	F	SSC	56858	1.09	519	7	N/A	N/A	Pass
Blue	E	FITC	54	54.62	485	-2	0.0446	155	Pass
Blue	D	PE	114	37.07	489	1	0.4770	370	Pass
Blue	B	PerCP-Cy5-5	187	36.22	584	-2	0.0191	58	Pass
Blue	A	PE-Cy7	103	67.95	626	-2	0.0221	0	Pass
Red	C	APC	397	24.33	579	3	0.0278	208	Pass
Red	A	APC-Cy7	183	26.87	554	3	0.0058	528	Pass
Violet	B	V450	59	68.83	459	6	0.0666	3103	Pass
Violet	A	V500	97	37.07	471	6	0.0242	1130	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.63	-31.50	1.06
Blue	20.37	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	15.58	13.60 - 20.40	N/A	N/A	30.01	30.10	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9961

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments